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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/577,482	04/27/2006	Takeo Fujita	0925-0224PUS1	6675
	7590 07/15/201 ART KOLASCH & BI	EXAMINER		
PO BOX 747	GH MA 22040 0747	CHU, RANDOLPH I		
FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER
			2624	
			NOTIFICATION DATE	DELIVERY MODE
			07/15/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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	Application No.	Applicant(s)	
Office Action Owners	10/577,482	FUJITA ET AL.	
Office Action Summary	Examiner	Art Unit	
	RANDOLPH I. CHU	2624	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION (6(a). In no event, however, may a reply be tirr (ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE!	N. tely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
 1) ☐ Responsive to communication(s) filed on 30 Section 2a) ☐ This action is FINAL. 2b) ☐ This action is FINAL. 3) ☐ Since this application is in condition for alloware closed in accordance with the practice under Expression 20 Section 20 Section	action is non-final. ace except for formal matters, pro		
Disposition of Claims			
 4) ☐ Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) 5 and 10 is/are withdom 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4 and 6-9 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or 	awn from consideration.		
Application Papers			
9) The specification is objected to by the Examiner 10) The drawing(s) filed on 4/27/2006 is/are: a) Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the original than the original than the correction of the original than the original th	accepted or b) objected to by t drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage	
AM1			
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)	
2) Notice of Traffsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate	

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/30/2010 has been entered.

Response to Amendment

1. In response to applicant's amendment received on 9/30/2010, all requested changes to the claims have been entered.

Response to Argument

2. Applicant's arguments filed on 9/30/2010 have been fully considered but they are not persuasive.

Applicant's argue on page 9 of the response that Sato is distinguished from the claimed invention in that nowhere does Sato teach or suggest a correction coefficient calculating unit (or step) that calculates, based on a preliminary set table that represents correspondences between distance-correction values and correction coefficients, a correction coefficient corresponding to the calculated distance-correction value.

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Although, Sato discloses a LUT 8, the values of the LUT are provided calculations of the number of pixels forming the maximum distances (diagonal lines) for each of seven types of semiconductor image pick-up devices, the number of pixels of which range from 790,000 pixels to 12,600,000 pixels and not based on a preliminary set table. (See paragraph [0043].).

The examiner disagrees. Only thing required by limitation "correction coefficient calculating unit (or step)" is "calculating correction coefficient based on a preliminary set table that represents correspondences between distance-correction values and correction coefficients, a correction coefficient corresponding to the calculated distance-correction value" and paragraph [0047] of Sato teaches Correction coefficients corresponding to the above distance values d are output from the above-described lookup table 8.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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Claims1-4 and 6-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Sato et al. (US 2003/0156204).

With respect to claim 1, Sato et al. teach a distance calculating step of calculating, by utilizing a distance calculating unit(Fig. 1 ref. label 4), the distance between the coordinates of an image-constituting pixel (a desired point) and predetermined reference coordinates (arbitrary origin) (para [0024]-[0028]);

a distance-correction value calculating step of calculating a distance-correction value (The distance value converted by the converter), by inputting for the calculated distance for corresponding variable in an N-order function (linear interpolation) which has coefficients for variable (N being a positive integer) (para [0031]-[0037], Fig. 1, ref. label 6, converter);

a correction coefficient calculating step of calculating, based on a preliminarily set table (Lookup table 8) that represents correspondences between distance-correction values and correction coefficients, a correction coefficient corresponding to the calculated distance-correction value (distance value d)(para [0044]-[0047]); and

a pixel signal correcting step of correcting a signal for the pixel, based on the calculated correction coefficient (para. [0061]), and

an updating step of updating distance-correction values by changing the coefficients for the variable in said N-order function in the distance-correction value calculating step in response to change in optical settings of an image pick-up apparatus (fig. 1 ref. label 7, by supplying the multiplier corresponding to image pick-up device size

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information, number of bits shifted (distance correction value) and correction coefficient are determined).

With respect to claim 2, Sato et al. teach a correction coefficient calculating step of calculating the correction coefficient corresponding to the distance-correction value that has been calculated in the distance-correction value calculating step, by, based on the table that represents correspondences between distance-correction values and correction coefficients, linear interpolation using distance-correction-value data and correction-coefficient data that are stored in the table (para [0044]-[0053]).

With respect to claim 3, Sato et al. teach that he reference coordinates in the distance calculating step, the coefficients for the variable in the N-order function in the distance-correction value calculating step, and the distance-correction values and correction coefficients stored in the table in the correction coefficient calculating step can be determined for each color component of the pixel (para [0031]-[0037]).

With respect to claim 4, Sato et al. teach that a distance calculating step of calculating the distance, by regarding as the distance the sum of the distance between the coordinates of a pixel corresponding to an image signal and the one of two sets of predetermined reference coordinates, and the distance between the coordinates of the pixel and the other of two sets of predetermined reference coordinates (para [0023]-[0030], distance and pseudo distance).

With respect to claim 6, Sato et al. please refer to rejection for claim 1.

With respect to claim 7, Sato et al. please refer to rejection for claim 2.

With respect to claim 8, Sato et al. please refer to rejection for claim 3.

With respect to claim 9, Sato et al. please refer to rejection for claim 4.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RANDOLPH I. CHU whose telephone number is (571)270-1145. The examiner can normally be reached on Monday to Thursday from 7:30 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vikkram Bali can be reached on 571-272-7415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

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have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/RANDOLPH | CHU/ Primary Examiner, Art Unit 2624